

AMENDMENTS TO THE SPECIFICATION

Please amend the first three paragraphs beginning on page 10, lines 1, 9 and 22 as follows:

However, ~~the~~ ~~The~~ interference ~~disappear~~ ~~disappears~~ at the sample points where the received signal become maximum, because the channel distortion is equalized as shown in Figure 2 in the receiving system for mobile station of the present invention. Figure 3 shows the DUR (Desired to Undesired signal power Ratio) of the conventional system as shown in Figure 5 and the DUR of the system of the present invention as shown in Figure 1.

In Figure 3, curve 1·c is the DUR of the conventional system, while curve 1·p is the DUR of the system of the present invention. The DUR as shown by curve 1·c decreases as the mobile stations increase, while the DUR as shown curve 1·c decreases as the mobile stations increase, while the DUR as shown by curve 1·p stays constant regardless of the number of mobile stations. On the other hand, when the number of mobile stations decreases, the DUR as shown by curve 1·c becomes greater than the DUR of the system of the present invention, due to the effect of the RAKE receiving. In conclusion, ~~The~~ ~~the~~ communication quality of the present invention becomes better than that of the conventional system, due to the elimination of interference by the equalization, when ~~a lot~~ ~~of many~~ mobile stations ~~is controlled by~~ communicate with a base station.

Therefore, a single base station can ~~controls~~ control a greater number of mobile stations in the present invention than in the conventional system.